

Koskarti

Telephone No. 1/53424/326

INTERNATIONAL SEARCH REPORT

International application No. PCT/SG 99/00073 A. CLASSIFICATION OF SUBJECT MATTER IPC7: H01L 31/12, 33/00; H05B 33/00; H05K 5/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC⁷: H01L 31/12, 31/167, 33/00; H05B 33/00, 33/02; H05K 5/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category* US 4501637 A (MITCHELL C.W.) 26 February 1985 (26.02.85) 1-7, 10-20. \mathbf{X} abstract and description of fig. 3. 30-39, 42, 43, 51-56 8-9, 21-29, Α 40-41, 44-50 FR 2585510 A (CIT-ALCATEL) 30 January 1987 (30.01.87) abstract 1, 30 2-29, 31-56 and desription of fig. 2. Further documents are listed in the continuation of Box C. See patent family annex. "T" later document published after the international filing date or priority Special categories of cited documents: "A" document defining the general state of the art which is not date and not in conflict with the application but cited to understand the principle or theory underlying the invention considered to be of particular relevance "E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step filing date "L" document which may throw doubts on priority claim(s) or which is when the document is taken alone cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination being obvious to a person skilled in the ar "P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 20 June 2000 (20.06.00) 11 April 2000 (11.04.00) Name and mailing adress of the ISA/AT Authorized officer Austrian Patent Office

Kohlmarkt 8-10; A-1014 Vienna

Facsimile No. 1/53424/200



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/SG 99/00073

| | Pat nt docum nt cited in search report | | Publication date | Patent family member(s) | | | Publication date |
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| | | | | EP | A1 | 81554 | 22-06-1983 |
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| | | | | WO | A1 | 8204500 | 23-12-1982 |
| FR | A1 | 2585510 | 30-01-1987 | | | none | |



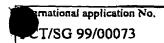
INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| FP1185 | FOR FURTHER ACTION | see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | | | | | | |
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| International application No. | International filing date | day/month/year) | (Earliest) Priority Date (day/month/year) | | | | | |
| PCT/SG 99/00073 | 09 July 1999 (09 | .07.99) | - | | | | | |
| Applicant | l | | | | | | | |
| OSRAM Opto Semiconductors GmbH & Co OHG et al. | | | | | | | | |
| This international search report has been prepared by this International Searching Authority and is transmitted to the applicant | | | | | | | | |
| according to Article 18. A copy is being transmitted to the International Bureau. | | | | | | | | |
| This international search report consists of | fa total of 4 | shects. | | | | | | |
| <u></u> | It is also accompanied by a copy of each prior art document cited in this report. | | | | | | | |
| a. With regard to the language, t | Basis of the report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. | | | | | | | |
| the international search was Authority (Rule 23.1(b)). | s carried out on the basi | s of a translation o | f the international application furnished to this | | | | | |
| b. With regard to any nucleotide search was carried out on the b | | | n the international application, the international | | | | | |
| contained in the internation | nal application in writte | n form. | | | | | | |
| filed together with the inte | mational application in | computer readable | e form. | | | | | |
| furnished subsequently to | this Authority in writter | n form. | | | | | | |
| furnished subsequently to | this Authority in compu | iter readable form. | | | | | | |
| | the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. | | | | | | | |
| the statement that the infor | the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. | | | | | | | |
| 2. Certain claims were foun | d unsearchable (See B | lox 1). | | | | | | |
| 3. Unity of invention is lack | . Unity of invention is lacking (See Box II). | | | | | | | |
| 4. With regard to the title, | | | | | | | | |
| the text is approved as submitted by the applicant. | | | | | | | | |
| the text has been established | the text has been established by this Authority to read as follows: | | | | | | | |
| 5. With regard to the abstract, | | | | | | | | |
| the text is approved as sub | the text is approved as submitted by the applicant. | | | | | | | |
| | the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may within one month from the date of mailing of this international search report, submit comments to this Authority. | | | | | | | |
| 6. The figure of the drawings to be published with the abstract is Figure No.: 1 | | | | | | | | |
| as suggested by the applicant. None of the figures. | | | | | | | | |
| because the applicant faile | d to suggest a figure. | | | | | | | |
| because this figure better o | haracterizes the inventi | on. | | | | | | |

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT



| An encapsulation for an electrical device (100) is disclosed. A cap support (130) is provided in the non-active regions (120) of the device (100) to prevent the package from contacting the active components (110) of the device due to mechanical stress induced in the package. | | | | | | |
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Literaturblatt zum Stand der Technik

Fall-Nummer:

1999P2851

Titel:

Encapsulation of a Device

Mandanten-Referenz: Pz01

in der Beschreibungseinleitung genannter SdT

"Mechanical Patterning of a Device Layer" (99E8062)

Burroughes et al., Nature 347 (1990) 539

US4,720,432

internat. Recherchenbericht/Prüfungsverfahren

FR2585510

US4,501,637

Seite I von I

SINGAPORE 910816

LLOYD WISE

MCCALLUM, GRAEME DAVID

TANJONG PAGAR P O BOX 636 .

Name and address: (Family came followed by given tame: for a legal entry, full official designation. The address must latitude postal code and tame of country)

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| Box No.V DESIGNATION OF STATES | | | | | | | |
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| The f | The following designations at the sty made mide Rule 4.5(a) (mark the applicable terms: at least one must be marked): | | | | | | |
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| Q | AP | ARIPO Patent: CH Ghana, CM Gendia, KE Kenya, LS Lesotho, MW Malawi, SDSuden, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT | | | | | |
| Ø | | Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzsten, KZ Kazakhrun, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT | | | | | |
| Ø | | European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechteurein, CY Cyprus, DE Gennary, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Iteland, IT Italy, LU Luxembourg, MC Monaro, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT | | | | | |
| B | OA | OAPI Patent: BF Burkins Faso, BJ Benin, CF Central African Republic, CG Congo, Cl Côte d'Ivoire, CM Camemon, CA Gabon, CN Guines, ML Niali, NR Niauriania, NE Niger, SN Senegal, TD Charl, TG Togo, and any other State which is a member State of OAPI and a Commercing State of the PCT (If other tind of practice or transcent desired, specify on dotted line) | | | | | |
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Precautionary Designation Statement: La addition to the designations made above, the applicant also makes under Rule 4.9(b) all other recautionary Designation attendent: in addition to the cessionations made above, the applicant also makes under Rule 4.9(b) indicated designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit, (Confirmation of a Confirmation consists of the fling of a roller smelling list designation and time limit) payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.

| Box No. VI PRIORITYC | LAP | | Further priority claims the Edicated in the Supplemental Box. | | | | | |
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